

CORE DESCRIPTIONS OF "ERTL ROAD #1"

- 0-4' Oxidized organic marlstone, i.e. burned oil shale, tan to rust color, finely banded, was lean oil shale, 75° fracture at 1', near vertical fracture at 2'.
- 4'-10' Oxidized lean oil shale, green-tan to rust, finely banded, 80% recovery, 2 - 60° fractures.
- 10'-13'4" As above, poor recovery, 20%.
- 13'4"-25' Oxidized lean oil shale as above. Predominately tan-rust colored, finely banded, 80% recovery.
- 25'-44' Oxidized oil shale, predominately rust colored, banded, 40% recovery.
- 44'-69'7" Tan, oxidized, lean oil shale, highly ground up by core bit, fragments with calcite recemented fractures.
- 69'7"-80' Recovered 2', few particles of mahogany marker, pink to lavender volcanic ash, oil shale. Depth of marker estimated at 76'.
- 80'-89' Recovered 1' of fragments. Lower fragments resemble charcoal or coke, black, chalky, thoroughly burned, oil shale.
- 89'-96' Recovered 2' dark brown oil shale, thoroughly retorted, not oxidized.
- 96'-98' Oil shale, rich, partially retorted, has sooty, burned appearance in streaks.

- 99'-109' Oil shale, high to medium grade, partly burned, oxidized on fracture faces, brown, brittle, fractured by coring into pieces approximately 2" in length.
- 109'-119' Medium grade oil shale as above, brown to light brown, brittle, iron stained calcite fracture fillings, 2 - 60° fractures at 115'.
- 119'-142' Oil shale, medium grade, brittle, brown to dark brown, finely banded, partially altered by heat along fractures, 30° fracture at 137' and 139', 50% recovery in last 10'.

*Omit*

The lower 40' of #1 may be unaltered in oil content, however, the hand samples of the core look to be partly retorted, brittle, and burned along fracture faces.

In lieu of the appearance of this core, the #2 hole will not be drilled until, or unless, the assays of the lower 40' of #1 show that the shale is not altered to the extent that it is undesirable for retorting purposes.